

A METHOD FOR PREVENTING HIV-1 INFECTION OF CD4<sup>+</sup> CELLS**Abstract of the Disclosure**

5 This invention provides methods for inhibiting fusion of  
HIV-1 to CD4<sup>+</sup> cells which comprise contacting CD4<sup>+</sup> cells with  
a non-chemokine agent capable of binding to a chemokine  
receptor in an amount and under conditions such that fusion  
of HIV-1 to the CD4<sup>+</sup> cells is inhibited. This invention also  
10 provides methods for inhibiting HIV-1 infection of CD4<sup>+</sup>  
cells which comprise contacting CD4<sup>+</sup> cells with a non-  
chemokine agent capable of binding to a chemokine receptor  
in an amount and under conditions such that fusion of HIV-1  
to the CD4<sup>+</sup> cells is inhibited, thereby inhibiting the HIV-1  
15 infection. This invention provides non-chemokine agents  
capable of binding to the chemokine receptor and inhibiting  
fusion of HIV-1 to CD4<sup>+</sup> cells. This invention also provides  
pharmaceutical compositions comprising an amount of the non-  
chemokine agent capable of binding to the chemokine receptor  
20 and inhibiting fusion of HIV-1 to CD4<sup>+</sup> cells effective to  
prevent fusion of HIV-1 to CD4<sup>+</sup> cells and a pharmaceutically  
acceptable carrier.